

## CLAIMS

1. A system for computing an order quantity of parts constituting a product based on a production schedule of the product, comprising:

5 a. required part quantity computing means for computing a required quantity of the parts based on the production schedule;

b. actual inventory quantity checking means for checking an actual quantity of inventory of the parts;

10 c. first part order quantity computing means for computing a first part order quantity for a predetermined first period of time based on the computed required quantity of the parts and the checked actual quantity of inventory of the parts;

d. tentative inventory quantity computing means for computing a tentative quantity of inventory of the parts based on a past order record of the parts and a production record of the product;

15 e. second part order quantity computing means for computing a second part order quantity for a predetermined second period of time, longer than the predetermined first period of time, based on the computed required quantity of the parts and the computed tentative quantity of inventory of the parts;

f. price inputting means for inputting a price of the parts;

g. part price storing means for storing the inputted price of the parts;

20 h. prescribed price inputting means for inputting a prescribed price to be compared with the inputted price of the parts;

i. prescribed price storing means for storing the inputted prescribed price;

25 j. selecting means for comparing the inputted price with the stored prescribed price and for selecting the first part order quantity computing means when the inputted price is greater than the stored prescribed price, while for selecting the second part order quantity computing means when the inputted price is equal to or less than the stored prescribed price; and

k. part ordering means for ordering the parts based on the part order quantity computed by the selected part order quantity computing means.

2. A system for computing an order quantity of parts constituting a product based on a production schedule of the product, comprising:

a. required part quantity computing means for computing a required quantity of the parts based on the production schedule;

5        b. actual inventory quantity checking means for checking an actual quantity of inventory of the parts;

c. first part order quantity computing means for computing a first part order quantity for a predetermined first period of time based on the computed required quantity of the parts and the checked actual quantity of inventory of the parts;

10       d. tentative inventory quantity computing means for computing a tentative quantity of inventory of the parts based on a past order record of the parts and a production record of the product;

e. second part order quantity computing means for computing a second part order quantity for a predetermined second period of time, longer than the predetermined first period of time, based on the computed required quantity of the parts and the computed tentative quantity of inventory of the parts;

f. size inputting means for inputting a size of the parts;

g. part size storing means for storing the inputted size of the parts;

h. prescribed size inputting means for inputting a prescribed size to be compared with the inputted size of the parts;

i. prescribed size storing means for storing the inputted prescribed size;

j. selecting means for comparing the inputted size with the stored prescribed size and for selecting the first part order quantity computing means when the inputted size is greater than the stored prescribed size, while for selecting the second part order quantity computing means when the inputted size is equal to or less than the stored prescribed size; and

25       k. part ordering means for ordering the parts based on the part order quantity computed by the selected part order quantity computing means.

3. A system for computing an order quantity of parts constituting a product based on a production schedule of the product, comprising:

a. required part quantity computing means for computing a required quantity of the parts based on the production schedule;

5        b. actual inventory quantity checking means for checking an actual quantity of inventory of the parts;

c. first part order quantity computing means for computing a first part order quantity for a predetermined first period of time based on the computed required quantity of the parts and the checked actual quantity of inventory of the parts;

10       d. tentative inventory quantity computing means for computing a tentative quantity of inventory of the parts based on a past order record of the parts and a production record of the product;

e. second part order quantity computing means for computing a second part order quantity for a predetermined second period of time, longer than the predetermined first period of time, based on the computed required quantity of the parts and the computed tentative quantity of inventory of the parts;

f. lead time inputting means for inputting a lead time of the parts;

g. part lead time storing means for storing the inputted lead time of the parts;

h. prescribed lead time inputting means for inputting a prescribed lead time to be compared with the inputted lead time of the parts;

20       i. prescribed lead time storing means for storing the inputted prescribed lead time;

j. selecting means for comparing the inputted lead time with the stored prescribed lead time and for selecting the first part order quantity computing means when the inputted lead time is greater than the stored prescribed lead time, while for selecting the second part order quantity computing means when the inputted lead time is equal to or less than the stored prescribed; and

25       k. part ordering means for ordering the parts based on the part order quantity computed by the selected part order quantity computing means.